AUTHOR INDEX - VOLUME 27

Abernethy, Darrell, 297
Abushanab, Elie, 261
Alston, Timothy K., 609
Armstrong, D. T., 423
Arpiani, Maria P., 197
Asselin, Jacques, 395
Azarnoff, Daniel L., 297

Barth-Spindler, M., 553
Bebbington, Peter M., 609
Beckers, C., 543
Benson, Harvey D., 759
Bergmann, Ernst D., 431
Berlin, Darrell K., 525
Beyer, Bernardo, 123
Bleau, G., 247
Blickenstaff, Robert T., 205, 353
Bollenbacher, Walter E., 309
Bolt, H. M., 29
Bonne, Claude, 497
Brammall, Margaret A., 459
Brooks, C. J. W., 155
Brown, Rebecca A., 525
Brown, Thomas K., 459
Brueggemeier, Robert W., 123
Burns, B. G., 571
Burstein, Shlomo, 361, 493, 691
Bustan, Haim, 773
Byon, Chang Y., 691

Campbell, G. A., 187
Chandler, Donald W., 235
Chang, M. C., 751
Chapdelaine, A., 247
Chesnut, Robert W., 525
Chowdhury, M. N. R., 717
Clow, D. J., 637
Couch, M. W., 451
Counsell, Raymond E., 123

Daley, J. D., 481
Djøseland, O., 47, 617
Duax, William L., 261
Dupont, J., 637
Durham, Norman N., 525
Dutky, S. R., 675

Egert, D., 703
Elce, John S., 335
Emmerich, H., 553
Engel, Charles R., 717
Exley, D., 813

First, N. L., 869
Fishman, Jack, 325
Foo, A. Y., 405
Foster, Emerson L., 353
Furuya, Kiyohide, 797

Gelato, M., 187
Georgian, V., 225
Gibbons, G. F., 821
Gilbert, J. D., 155
Gilbert, Lawrence I., 309
Gilgan, M. W., 571
Goldzieher, J. W., 851
Goodman, Walter, 309
Grant, Michael, 785
Green, Susan E., 609
Grunwell, Joyce F., 759
Gulyas, B. J., 543
Gut, Marcel. 361, 691

Hamann, A., 553
Hanson, Russell F., 145
Hellman, Leon, 727
Helton, Edward D., 851
Herz, J. E., 133
Hignite, Charles, 297
Hodgen, G. D., 543
Hoffmann, B., 509
Honjo, Hideo, 79
Hootele, Claude, 137
Horn, H., 1
Hoshita, T., 383, 657
Hossain, A. M. M., 603

Idler, D. R., 155
Ihne, A., 533
Ishihara, Masayoshi, 79
Itoh, Toshihiro, 275

Jellinck, P. H., 681
Johnson, D. C., 469
Johnson, D. K., 543
Johnston, J. O., 759
Jonat, W., 703

Kadner, Susan, 287
Kaisin, Michel, 137
Kanbegawa, Akira, 797
Kaplanis, J. N., 675
Kappus, H., 29
Karlsson, Rolf, 137
Kelly, Paul A., 395
Kennedy, T. G., 423

Khalil, M. W., 155
Kihira, K., 383, 657
Kim, Ryung-Soon S., 581
Kimball, Howard L., 361, 691
Kirdani, Rashad Y., 79
Kirk, D. N., 269, 603
Kledzik, G. S., 187
Kream, Jacob, 727
Kundu, N., 785
Kuramoto, T., 383, 657
Kurosawa, Yuichiro, 797

Labrie, Fernand, 395
Lahoud, H. J., 211
Lai, Paula, Po-Chu, 335
Lalumiere, G., 247
Lau, I. F., 751
Lee, M. L., 665
Letourneux, Yves, 361
Levitz, Mortimer, 287
Longcope, C., 17
Losman, Daniele, 137
Low, C. E., 665
Luttrell, B. M., 211

Maass, H., 703
Makin, H. L. J., 405
Marshall, S., 187
Martucci, Charles, 325
Maschler, I., 1
Maskarinec, Michael P., 665
Matsumoto, M., 657
Matsumoto, Taro, 275
Mattox, Vernon R., 845
Mawdsley, Elizabeth A., 525
Mayes, Darrel M., 235
McNabb, Trudy, 681
Meites, J., 187
Menzies, J. A., 595
Mickan, H., 65
Mitra, G., 603
Mitropoulos, K. A., 821
Morgan, E. D., 609
Mukherjee, D., 717

Naess, Oddvar, 167
Naito, Atsushi, 797
Nambara, Toshio, 111
Nelson, Albert N., 845
Nixon, W. E., 543
Novotny, Milos V., 665

Oettel, G., 509
Oh[a], S. Y., 637
Olson, E. B., Jr., 869
Ortar, Giorgio, 197
Osawa, Yoshio, 79

Petrow, Valadimir, 759
Philibert, Daniel, 395
Poole, Colin F., 609

Rajagopalan, M. S., 269
Ranade, Vasant V., 123
Rao, Ch. V., 831
Raynaud, Jean-Pierre, 395, 497
Reeves, B. E. A., 821
Riis, P. M., 5
Robbins, W. E., 675
Roberts, K. D., 247
Rohrer, Douglas C., 261
Romeo, Aurelio, 197
Rosenfeld, J. M., 481
Rosenfeld, R. S., 727

Saez, Simone, 99
Sakai, Francoise, 99
Saksena, S. K., 751
Salvi, V. S., 717
Sandberg, Avery A., 79
Sashida, Tatsuro, 469
Schiller, Harvey S., 459
Scott, K. N., 451
Sharma, M., 225
Sherman, Cynthia A., 145
Shore, Laurence S., 441
Slor, Hanoch, 773
Solomonovici, A., 431
Spindler, Klaus-Dieter, 553
Steinbeck, A. W., 211
Stouffer, R. L., 543
Sudo, Kenichi, 111
Sudo, Motoko, 111
Suresh, T. P., 5
Sweet, Frederick, 741

Takagi, Shigeo, 797
Tamura, Toshitake, 275
Tao, Irene Y. C., 205
Templeton, John F., 581
Terenius, Lars, 123
Thompson, M. J., 675
Torday, J. S., 869

Trafford, D. J. H., 405
Tuck, Michael, 235
Tursch, Bernard, 137

Vazquez, E., 133
Vedeckis, Wayne V., 309

Ward, Patricia R., 405
Watanabe, H., 595
Weeks, Charles M., 261
Williams, C. M., 451
Williams, J. G., 17
Williams, K. I. H., 17
Williams, Mary C., 851
Woodhams, B., 813

Yamashita, Haruo, 797
Yoshida, Takao, 797
Young, Bruce K., 287
YoungLai, E. V., 481

SUBJECT INDEX - VOLUME 27

Adrenal scanning agent, 451
Affinity chromatography, of insect moulting hormones, 553
Affinity labeled steroid oxido-reductase, reactivation studies of, 741
7-Alkyl steroidal ketones, synthesis of, 759
Anabolics, radioimmunoassays for, 509
Androgen binding sites, assay of, 497
Androgen receptors, in hypothalamus, 167
Androstane derivative, metabolism of in the rabbit, 581
5α-Androstane-3α,17β-diol sulphate, glucuronide formation in rat epididymis, 617
5α-Androstan-3α-ol-17-one, radioimmunoassay of, in plasma, 727
5α-Androstan-17β-ol-3-one induced vaginal mucification, in rats, 423
Androst-5-en-3β,16β-diol-17-one, synthesis of, 845
Androst-4-en-3,17-dion-7α-ol, synthesis of, 603
Androsterone sulfate, plasma levels of, in normal human males and females, 727
Anti-androgens, effect of on testosterone metabolism in rat epididymis, 47
Antibiotic potentiation, of 15-aza steroids, 525
Antiestrogen, effect of, on the induction of uterine peroxidase, 681
Anti-implantational agents, synthesis of, 759
Antiprogestational agents, synthesis of, 123, 759
17a-Aza-d-homo-androsten-3-one, syntheses and ultraviolet absorption of, 225
15-Azasteroids, antibacterial activity, 525

Baboon, metabolism of synthetic steroids in, 79
Bile acid biosynthesis, in rat, 145
Bile alcohol
  from patients with cerebrotendinous xanthomatosis, 637
  synthesis of, 383, 637
Brain cortex, androgen receptors in rat, 167
Breast cancers, premenopausal and postmenopausal, estrogen receptors in, 99
6β-Bromoacetoxyprogesterone, inactivation/reactivation of a steroid oxido-reductase with, 741
24-n-Butylcholesterol, 133

Capillary GC/MS, of tobacco and marijuana sterols, 665
2-Carbethoxycyclopentanone, condensation of with 8-aminoquinoline, 205
Catecholestrogens, uterine binding of, 325
Chlormadinone acetate, metabolism of, in baboon, 79
5β-Cholestan-3α,7α,12α,22,25-pentaol, synthesis of, 383
5β-Cholestan-3α,7α,12α,23,25-pentaol, synthesis of, 637
Cholest-4-en-7α-ol-3-one, metabolism of, 145
Cholest-7-en-6-one, synthesis of, 609
Cholest-7-en-6-one-2β,3β,5α-triol, synthesis of, 609

Cholesterol
biosynthesis inhibition of, 297
conversion to pregnenolone in adrenal, 361
kinetics of turnover in rats, 637
Cholesteryl sulfate, in reproductive tract, 247
Corticosterone, decomposition of in soda-lime glass test tubes, 493
Cortisol, from cortisone, 869
Cortisone, from cortisol, 869
Cushing's syndrome and cogenital adrenal hyperplasia subjects, 211
24-Cyclohexylchol-5-en-3β-ol, 133
Cyclophosphamides, attached to steroids, 353
2α,3α-Cyclopropano-5α-androstan-17β-ol, metabolism of in rabbit, 581

(20)22-Dehydrocholesterol, exclusion of as intermediate in the conversion of cholesterol to pregnenolone, 691
11-Deoxycorticosterone, decomposition of in soda-lime glass test tubes, 493
21,Deoxycortisol, preparation of labelled, 1
1,11-Diazagona-5,7,9-trien-12-one, 205
Diazasteroids, total synthesis of, 205
24,25-Dihydro[32-^{14}C]lanosterol, chemical synthesis and use of in the assay of lanosterol 14α-demethylase, 821
(20S)-20,21-Dihydroxycholesterol, conversion of to 21-hydroxypregnenolone, 361
20,26-Dihydroxyecdysone, from embryonated egg of tobacco hornworm, 675
1,25-Dihydroxyvitamin D_3, a binding protein of, 433
Dimethylbenzanthracene induced mammary tumors, 395
4,4 Dimethylcholest-8-en-3β-ol, 297
Diptera ring glands, 309

Ecdysone C_{20} hydroxylation, 309
Ecdysones
from the embryonated egg of an insect, 675
synthesis of derivatives of, 609
Ecdysterone emulsion, induction of molting in lobster with, 571
Effect of nafoxidine (U-11,100A) on, 681
Enterohepatic circulation, of synthetic steroids, 79
Epididymis, metabolism of ^{3}H-testosterone in, 47
(20R,22R)-20,22-Epoxycholesterol, exclusion of as intermediate in the conversion of cholesterol to pregnenolone, 691
(20R,22S)-20,22-Epoxycholesterol, exclusion of as intermediate in the conversion of cholesterol to pregnenolone, 691
Estetrol 3-glucuronide, synthesis of, 111
Estetrol 16-glucuronide, synthesis of, 111
Estetrol 17-glucuronide, synthesis of, 111
Estradiol
exchange assay of, 99
ovarian synthesis of in rat, 469
Estradiol 17β, rate of on release and excretion of, after subcutaneous administration, 5

Estra-1,3,5(10)-triene, 3-methoxy-17β-hydroxy; metabolism of by humans, 17
Estra-1,3,5(10)-trien-2,3,16α,17β-tetrol, quantitation of, feces, 335
Estra-1,3,5(10)-trien-2,3,16ξ,17β-tetrol, quantitation of, feces, 335
Estra-1,3,5(10)-trien-3,16α,17β-triol, radioimmunoassay, 459
Estriol, biliary excretion of in rats, 595
Estriol-3,16-disulfats, in body fluids of human pregnancy, 287
Estriol-16-sulfate, in body fluids of human pregnancy, 287
Estrogen, effect of, on prolactin receptor, 187
Estrogen methyl ethers, synthesis of, 481
Estrogen receptors, in breast cancers, 99
Estrogens, metabolism of by humans, 17
Estrone cyclophosphamide, synthesis of, 353
17α Ethynylestradiol, in human urine, 851
17α-Ethynyl-17β-hydroxy-4β,5β-epoxy-estr-3-one, irreversible protein binding of, 29

Fetal lung, preparation of cortisol from cortisone, 869

Gas chromatography-mass spectrometry, for identification of unknown sterols, 155
Gonadotropins, effect of upon estrogen synthesis, 469

Human uterus, progesterone metabolism in, 703
Hydroxyapatite, for separations during radioimmunoassay, 405
16α-Hydroxy-dehydroepiandrosterone, radioimmunoassay of, and its sulfate, 797
18-Hydroxy-11-deoxycorticosterone, radioimmunoassay of, 235
20-Hydroxyecdysone, from embryonated egg of tobacco hornworm, 675
17β-Hydroxy-17α-methyl-estra-4,9,11-trien-3-one (methyltrienolone), assay of androgen binding sites with, 497
18-Hydroxyprogesterone, improvements in preparation of, 269
17α-Hydroxy progesterone derivatives, 123
20β-Hydroxysteroid dehydrogenase, inactivation/reactivation of with 6β-bromoaceoxy-progesterone, 741

Inhibition of pregnenolone formation, from cholesterol, 361
Insect moulting hormone, affinity chromatography of, 553
Interaction, between progesterone and $PGF_2\alpha$ receptors in bovine corpus luteum cell membranes, 831
19-Iodocholest-5-en-3β-ol, radioactive, a synthesis of, 451
Irreversible protein binding, of norethisterone (norethindrone) epoxide, 29

Ketolic steroids, protection from rearrangement in alkali by semicarbazone formation, 845
Kinetics, of cholesterol turnover in rats, 637

Lanosterol 14α-demethylase, similarity of the enzyme system from yeast and rat liver, 821
Lanthanide shift reagent, on tetracyclic triterpenes, 275
Lithium chloro cuprate, 133

Lobosterol [(24S)-24-methylcholestan-6-one-3β,4β,5β,25-tetrol-25-acetate], 137
Lobster molt induction, with ecdysterone emulsion, 571
Luteal cells, of rhesus monkeys, progesterone production by suspensions of, 543

Mammary tumors, progesterone receptors in, 395
Metabolism
  of progesterone, in human myometrium, 703
  of synthetic androstane in the rabbit, 581
17-Methylen-16β-acetoxysteroids, preparation of from the corresponding 17-methylenes, 197
3-Methoxy-9(10→19)*abeo*-estra-1,3,5(10)-trien-17-one, 261
Mineralocorticoids, radioimmunoassay of, 235
Mitochondria, rat adrenal, 1
Molecular structure, of 3-methoxy-9(10→19)*abeo*-estra-1,3,5(10)-trien-17-one, 261

N.I.H. shift, in estrogen metabolism, 17
Non-mercurial sulfhydryl reagents, 297
Norethisterone (norethindrone) epoxide, irreversible protein binding of, 29

Oestradiol-17β-3-hemisuccinyl-BSA, specificity of, 813
11-Oxa analogues of corticoid hormones, 717
11-Oxa steroids, synthesis of, 717
11-Oxa pregn-4-en-17,21-diol-3,20-dione, synthesis of, 717
Oxymetalation of 17-methylensteroids by thallium (111) and mercury (11) salts, 197

2β,3β,14α,22R,25-Pentahydroxy-5β-cholest-7-en-6-one, 309
24-Phenylcholesterol, 133
Prednisolone metasulfobenzoate, effects of on enzyme induction of DNase 11, 773
Pregn-4-en-11β,17α-diol-3,20-dione-1,2-^{3}H, incubation of, 1
5-α-Pregna-3,20-dione, in rat decidual tissue, 441
Pregnanolones quantitative determination of by GLC, 65
5β-Pregna-3α,17α,20α-triol-11-one, its excretion by normal, Cushing's syndrome and congenital adrenal hyperplasia subjects, 211
Progesterone
  in rat decidual tissue, 441
  metabolism of, in human endometrium, 703
  metabolites of, in myometrium, 65
  production of by dispersed rhesus monkey luteal cells, 543
Progesterone inhibition, of [^{3}H] $PGF_{2}\alpha$ binding to bovine corpus luteum cell membranes, 831
Progesterone receptors, in mammary tumors, 395
Progestogen receptor protein, 123
Prolactin receptors, effect of estrogen and testosterone on, 187
Proton magnetic resonance spectroscopy, of tetracyclic triterpenes, 275
Pseudomonas fluorescens, 525

Radioactive 19-iodocholest-5-en-3β-ol, synthesis of, 451
Radioimmunoassay
of androgens, 751
of androsterone and androsterone-3-sulfate in plasma, 727
of estra-1,3,5(10)-trien-3,15α,16α,17β-tetraol(estetrol), 785
of estra-1,3,5(10)-trien-3,16α,17β-triol, 459
of 16α-hydroxy-dehydroepiandrosterone and its sulfate, 797
of 18-hydroxy-11-deoxycarticosterone, 235
use of hydroxyapatite in, to separate free and antibody-bound steroid, 405
Radioimmunoassays, for free and conjugated trenbolone and trenboloneacetate, 509
Rat decidual tissue, pregesterone in, 441
Rat epididymis
formation of androgens conjugates in, 617
formation of Δ^{16} compounds in, 617
Rat tissues, kinetics of cholesterol turnover in, 637
Receptor, for vitamin d_3, 433
Receptors, prolactin, effect of estrogen and testosterone on 187
5α-Reductase inhibition, in rat, 751
Reproductive tract, male, steroids in, 751
Retention data on sterols, 665
Rhesus monkey, cycling and pregnant, progesterone production by dispersed luteal cells from, 543

Scallop, sterols in, 155
Semicarbazone, formation of to prevent rearrangement of an α-ketol in alkali, 845
Side chains, sterols with modified, 133
Soda-lime, decomposition of steroids in, 493
Specificity, of oestradiol-17β antisera, 813
Spermatozoa, cholesteryl sulfate in, 247
Steroid conjugates, human urinary, 851
Steroid hormones, influence of on [^{3}H] $PGF_2\alpha$ binding to its receptors in bovine corpora lutea, 831
Steroids ketones, Wittig-Horner reaction on, 431
Sterols, in scallop, 155
Sulfatase, in reproductive tract, 247

Testosterone, metabolism of, in intact and castrated rats, 47
Testosterone cyclophosphamide, synthesis of 353
Testosterone induced vaginal mucification in rats, 423
Tetracyclic triterpene alcohols, lanthanide shift reagent effects on, 275
Tobacco and marijuana sterols, GC-MS of, 665
Trenboloneacetate (17β-oh-19nor-androsta-4,9,11-trien-3-one-17β-acetate), radioimmunoassay for, 509
Trienbolone, (estra-4,9,11-trien-17β-ol-3-one), effect of on estradiol metabolism, 5

Uterine binding, of catecholestrogens and of estetrol, 325
Uterine peroxidase, effect of nafoxidine (U-11,100A) on the induction of, 681

Vaginal mucification, induction of, in rats, 423
Vitamin D_3, a binding protein for, 433

Wittig-Horner reaction, on steroid ketones, 431

Yeast and rat liver lanosterol 14α-demethylase, similarity of the enzyme systems involved, 821